

Recombinant Human VCP protein, His & T7-tagged

Cat. No. VCP-7934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VCP aa. (Gly125~Ile371 (Accession # P55072)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly125~Ile371
Description	The protein encoded by this gene is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. This protein, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex. It has been implicated in a number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation.
Form	Freeze-dried powder
Molecular Mass	36kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	VCP valosin containing protein [Homo sapiens (human)]
Official Symbol	VCP
Synonyms	VCP; valosin containing protein; p97; TERA; ALS14; CDC48; CMT2Y; IBMPFD; HEL-220; IBMPFD1; HEL-S-70; transitional endoplasmic reticulum ATPase; 15S Mg(2+)-ATPase p97 subunit; TER ATPase; epididymis luminal protein 220; epididymis secretory protein Li 70; yeast Cdc48p homolog
Gene ID	7415

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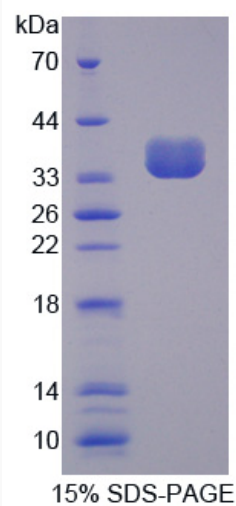
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mRNA Refseq NM_007126.3

Protein Refseq NP_009057.1

UniProt ID P55072

SDS-PAGE



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